Power Pentode

9-PIN MINIATURE TYPE

GENERAL DATA

	Electrical:	
_	Heater, for Unipotential Cathode: Voltage (AC or DC)	
	Direct Interelectrode Capacitances (Approx.): ^a Grid No.1 to plate 0.5 μμ Grid No.1 to cathode & grid No.3,	ιf
	grid No.2, and heater 10.8 $\mu\mu$ Plate to cathode & grid No.3.	ιf
\sim	grid No.2, and heater 6.5 μμ Grid No.1 to heater 0.25 μμ	_
	Characteristics, Class A ₁ Amplifier:	
	Plate Voltage	is is
	Mechanical:	
	Operating Position	6" 2" 5" <i>n</i> /2
	Pin 1- Internal Connection— Do Not Use Pin 2-Grid No.1 Pin 3-Cathode, Grid No.3 Pin 4- Heater Pin 5- Heater Pin 6- Same as Pin 1 Pin 7-Plate Pin 8- Same as Pin 1 Pin 9-Grid No.2	
	PUSH-PULL AF POWER AMPLIFIER - Class AB	
	Maximum Ratings, Design-Center Values:	
	PLATE VOLTAGE	ts ma ts

MAX.—SIGNAL GRID—No.2 INPUT 4 max.		
PEAK HEATER-CATHODE VOLTAGE: Heater negative with respect to cathode 100 max.	watts	
Heater positive with respect to cathode 100 max. Heater positive with respect to cathode 100 max.	volts volts	
Typical Operation:		
Values are for 2 tubes		
Plate Voltage	volts volts volts volts ma ma ma	<u> </u>
(Plate to plate)	ohms % watts	
Maximum Circuit Values:		
Grid-No.1-Circuit Resistance: For fixed-bias operation 0.3 max.	megohm	
PUSH-PULL AF POWER AMPLIFIER Class AB		
Grid No. 2 of each tube connected to tap		
on plate winding of output transformer		
Maximum Ratings, Design-Center Values:		
→ PLATE AND GRID-No.2 (SCREEN-GRID) SUPPLY VOLTAGE	volts	
PLATE DISSIPATION	watts watts watts volts	
MAX.—SIGNAL GRID—No.2 INPUT 2 max. MAX.—SIGNAL GRID—No.2 INPUT 4 max. PEAK HEATER—CATHODE VOLTAGE: Heater negative with respect to cathode 100 max.	watts watts watts volts	
MAX.—SIGNAL GRID—No.2 INPUT	watts watts watts volts	
MAX.—SIGNAL GRID—No.2 INPUT. 2 max. MAX.—SIGNAL GRID—No.2 INPUT. 4 max. PEAK HEATER—CATHODE VOLTAGE: Heater negative with respect to cathode. 100 max. Heater positive with respect to cathode. 100 max. Typical Operation: Values are for 2 tubes Plate Supply Voltage	watts watts watts volts volts	
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→ Indicates a change.



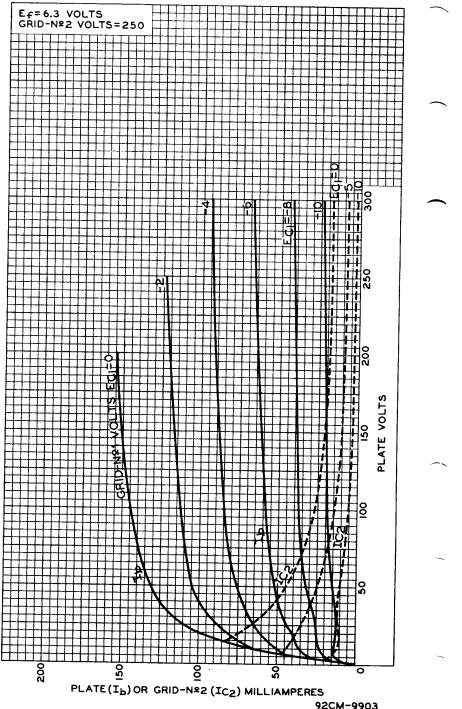
Maximum Circuit Values:

Grid-No.1-Circuit Resistance: For cathode-bias operation. 1 max. megohm

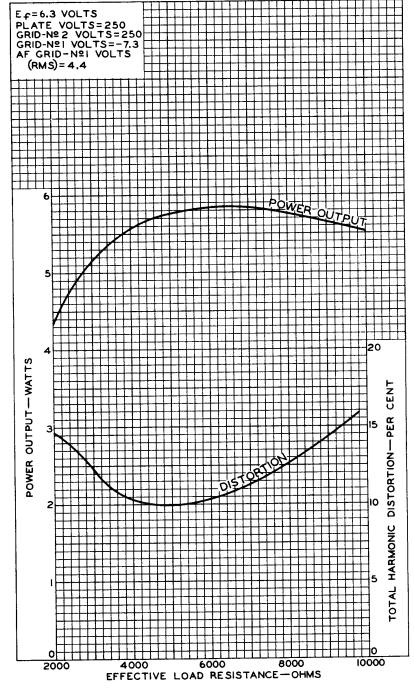
 $factor{a}{}$ Without external shield.

b Obtained from taps on the primary winding of the output transformer. The taps are located on each side of the center-tap (B+) so as to supply 43 per cent of the plate signal voltage to grid No.2 of each output tube.

AVERAGE CHARACTERISTICS



OPERATION CHARACTERISTICS



Harrison, N. J.